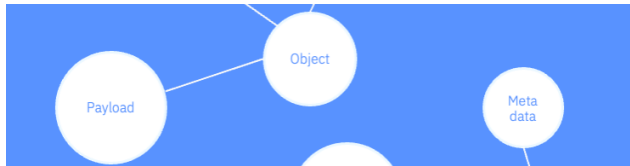





Optimize Storage Data Placement with S3 Object Storage on IBM Tape

According to Furthur Market Research, digital data archives are expected to grow at a compounded annual rate of up to 31% per year through 2035. 80% of that data growth is unstructured data. While business often focusses on the transactional storage, data retention is an ever growing and large part of the storage infrastructure. Data storage costs have fallen by nearly 90% in the last 2 decades and is expected to continue to fall in the future. Three primary factors contribute to the continues decrease in costs, storage density and the continued rise in object storage

	
Object Storage	Tape
<ul style="list-style-type: none">• Pros:<ul style="list-style-type: none">• Well suited for static content• Highly Scalable• Good for unstructured data• High performance• Cons:<ul style="list-style-type: none">• Expensive• Not designed with tiering	<ul style="list-style-type: none">• Pros:<ul style="list-style-type: none">• Well suited for static content• Low-cost cold data• Highly Scalable• Low energy consumption• Cons:<ul style="list-style-type: none">• Requires tape management• Proprietary Interfaces

Converged S3 Object Storage and Tape, Optimize Usability and Cost

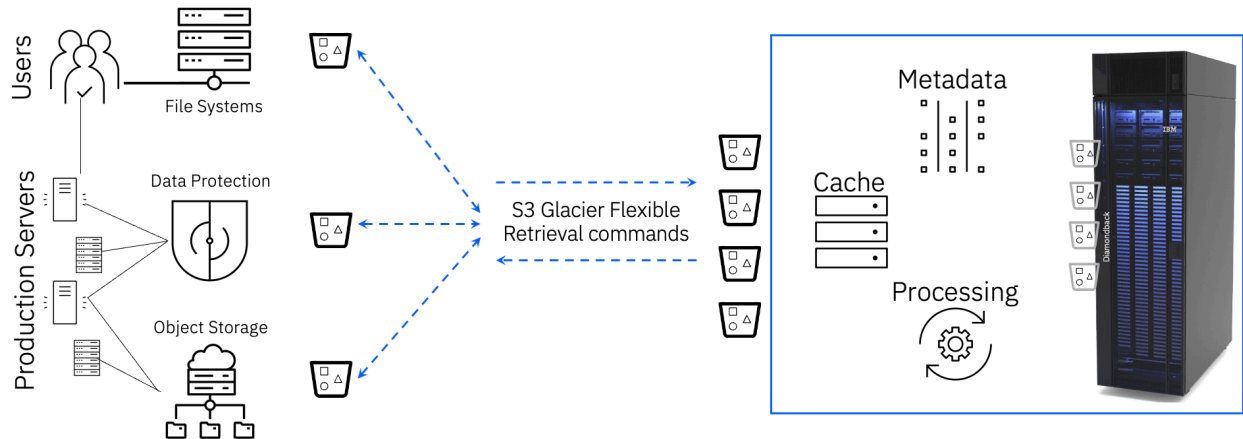
IBM Deep Archive is delivered in an install-and-go site configured solution implementing all the benefits of object storage while also addressing the challenges of both HDD object storage and tape in modern data centers.

IBM Deep Archive utilizes the standard S3 Glacier Flexible Retrieval storage class as the communication and data management layer with all data being stored directly on tape.





IBM Deep Archive, how it works



Applications require no knowledge of a tape interface, only the ability to utilize the S3 Glacier Flexible Retrieval storage class. S3 Glacier storage class handle all latency in the communications.

Secure and Resilient by Design

Ransomware, not if; when. Tape is inherently designed as the ultimate ransomware protection. Datasets on tape are not executable, tape is off-line even when attached to the server, all system datasets cannot be “erased” or encrypted with single commands. Even if a hacker attacks the backup repository servers, the metadata structures are recoverable from the tapes themselves. IBM Deep Archive eliminates tape management software requirements, provides a standardized data interface for any application supporting S3 Glacier Flexible Retrieval storage class, while supporting monitoring and ease of recovery, at a fraction the cost of AWS S3 Glacier Deep Archive.



For more information
To learn more about IBM Deep Archive, contact
your IBM representative
or IBM Business Partner, or visit
www.ibm.com/products/storage-archive

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New Orchard Road
Armonk, NY 10504

Produced in the
United States of America
May 2024

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